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EOD INTERNAL LICE ONLY

Template Name 60.5420a(b) Annual Report (Spreadsheet Template)

CitationID 60.5420a(b)

v1.00

Template Version
Last Updated Date

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, - §60.5420a Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFI Data Exchange (https://cdx.epa.gov)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required unc

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple; workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference each citation found in the workbook or provide individual file names for each individual citation record. as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbo any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information"

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP) for upload to CEDRI.

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet use specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(9) or (10) of this section, if applicable, except as provided in paragraph (b)(13) of this section. You must submit annual report is due no later than 90 days after the end of the initial compliance period as determined according t annual report. If you own or operate more than one affected facility, you may submit one report for multiple affect (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual reports may coinc may arrange with the Administrator a common schedule on which reports required by this part may be submitted

, Modification or Reconstruction Commenced After September 18, 2015
R part 60, subpart OOOOa. CEDRI is accessed through the EPA's Central
der §60.5420a(b).
facilities, as well as mulitple sites, using this EPA provided Excel row in the "Site Information" worksheet includes the data for a single
ce a single file attachment that includes all information for In the examples provided in the workbook, we provide both
ok and any related attachments that were referenced in 'worksheet).
you would like to include an Excel file(s) as an attachment, you must
file containing separate excel file(s), if applicable) into a single ZIP file
ıpload submission.
b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph annual reports following the procedure specified in paragraph (b)(11) of this section. The initial o §60.5410a. Subsequent annual reports are due no later than same date each year as the initial

as long as the schedule does not extend the reporting period.

cted facilities provided the report contains all of the information required as specified in paragraphs ide with title V reports as long as all the required elements of the annual report are included. You

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated available for the site, include a description of the site location and provide the latitude and longitude coordinates North American Datum of 1983.
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, ba the document are true, accurate, and complete.
- (2) For each well affected facility, the information in paragraphs (b)(2)(i) through (iii) of this section.
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may submitted the records required by paragraph (c)(1)(v) of this section for each well completion.
- (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
- (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b)(3)(i) through (iv) ϵ
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed
- (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
- (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this section
- (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of \cdot
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previous that emissions from the rod packing are being routed to a process through a closed vent system under negative presented in the control of the cumulative process.
- (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting peri
- (ii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed ra-
- (iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.
- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modifical shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals.
- (ii) Documentation of the VOC emission rate determination according to §60.5365a(e) for each storage vessel that reporting period.
- (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period
- (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specif
- (vii) If complying with 60.5395a(a)(2) with a control device tested under 60.5413a(d) which meets the criteria ir section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting periods.

0 1 01

with the affected facility, if applicable, and address of the affected facility. If an address is not of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the

sed on information and belief formed after reasonable inquiry, the statements and information in

n, if applicable, for each well affected facility conducted during the reporting period. In lieu of nit a list of the well completions with hydraulic fracturing completed during the reporting period and

432a that the well affected facility is a low pressure well as defined in 60.5430a.

of this section.

d during the reporting period.

on.

§60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(i) through (c)(2)(vii) of this exporting period.

this section.

is reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement ressure.

this section.

od, including the identification information specified in $\S60.5390a(b)(2)$ or (c)(2). te greater than 6 standard cubic feet per hour are required and the reasons why.

ition or reconstruction commenced during the reporting period. The location of the storage vessel of a degree using the North American Datum of 1983.

: became an affected facility during the reporting period or is returned to service during the

l as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was

fied in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service. I §60.5413a(d)(11) and §60.5413a(e), records specified in paragraphs (c)(5)(vi)(A) through (F) of this eriod.

- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions componitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the counter §60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and to was waived.
- (i) Date of the survey.
- (ii) Beginning and end time of the survey.
- (iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the t
- (iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (v) Monitoring instrument used.
- (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan
- (vii) Number and type of components for which fugitive emissions were detected.
- (viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (x) The date of successful repair of the fugitive emissions component.
- (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of
- (xii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired durin
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must (b)(8)(i)(A), (B) or (C) of this section.
- (A) No control device or process is available on site.
- (B) A control device or process is available on site and the owner or operator has determined in accordance with § device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed control device is designed to achieve.
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph
- (B) A control device has been added to the location and the pneumatic pump affected facility now reports accordi
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pn
- (D) A control device or process has been removed from the location or is otherwise no longer available and the ov evaluation that it is technically infeasible to capture and route the emissions to another control device or process.
- (iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period ***
- (12) You must submit the certification signed by the qualified professional engineer according to §60.5411a(d) for
- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the approdays, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadline

imponents at each compressor station within the company-defined area, the records of each ollection of fugitive emissions components at a compressor station, if a monitoring survey is waived he calendar months that make up the quarterly monitoring period for which the monitoring survey raining and experience of the operator. an. repair. ng the initial fugitive emissions finding. section. provide certification that the pneumatic pump meets one of the conditions described in paragraphs +60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control I to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the (8)(i) of this section and for which a change in the reported condition has occurred during the reported and a certification that the pneumatic pump meets one of the conditions described in (b)(8)(i)(C) of this section. ng to paragraph (b)(8)(i)(B) of this section. eumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section. vner or operator has determined in accordance with §60.5393a(b)(5) through an engineering 1. each closed vent system routing to a control device or process. (.epa.gov/).) You must use the appropriate electronic report in CEDRI for this subpart or an alternate (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not priate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar s specified in this subpart, regardless of the method in which the reports are submitted.

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Template Version v1.00

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modific For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through the construction of the constru

The asterisk (*) next to each field indicates that the corresponding field is required.

SITE INFORMATION

Facility Record No. * (Field value will automatically generate if a value is not entered.)	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))
XML Tag:	FacilityName e.g.: ABC Company	SiteName e.g.: XYZ Compressor Station	Wellid e.g.: 12-345-67890-12	AddressLine1 e.g.: 123 Main Street

 $^{^{}f 1}$ Alta Vista Oil Corporatic Slaughterville 1H

2500322949 NA

:ation or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report bugh (iv) of this section in all annual reports:

Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)
AddressLine2 e.g.: Suite 100	CityName e.g.: Brooklyn	CountyName e.g.: Kings County	StateName e.g.: NY	ZipCode e.g.: 11221	StateFacId
NA	NA	Big Horn	MT	59025	

LTERNATIVE ADDRESS INFORM	IATION (IF NO PHYSICAL ADDI	RESS AVAILABLE FOR SITE '	REPORTING I
Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))
SiteDescription e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456	SiteLatitude e.g.: 34.12345	SiteLongitude e.g.: -101.12345	PeriodStartDate e.g.: 01/01/2016
7 miles east of Decker, MT on Otter road	45.02295	-106.71361	8/3/2017

NFORMATION	PE Certification	ADDITIO	NAL INFORMATION
Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference.
PeriodEndDate e.g.: 06/30/2016	PeCertFile e.g.: Certification.pdf or XYZCompressorStation.pdf	AddInfo	AddFile e.g.: addlinfo.zip or XYZCompressorStation .pdf

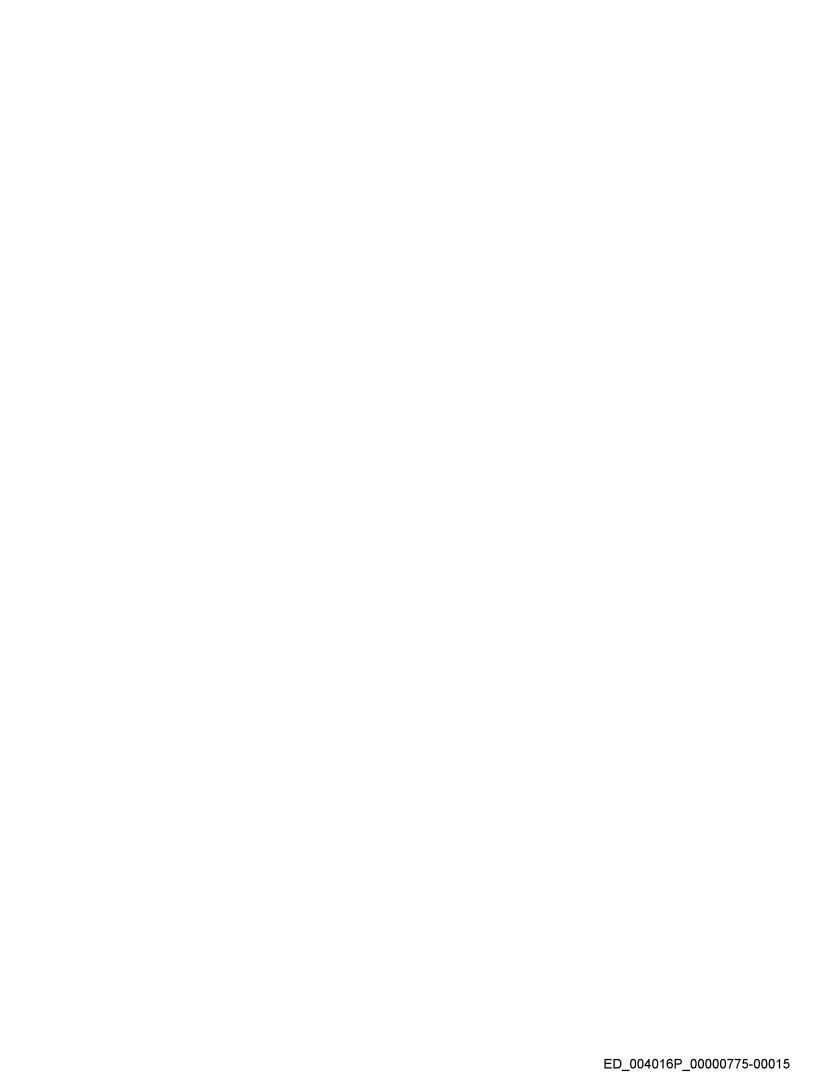
8/2/2018













































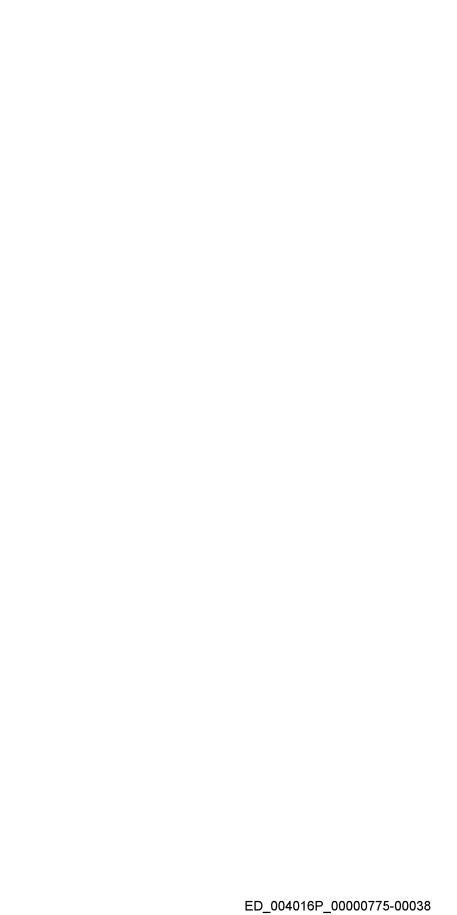










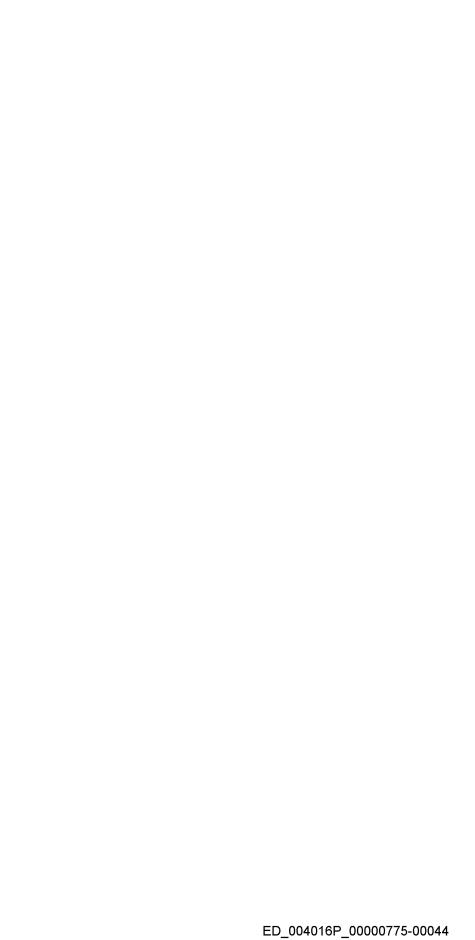




















































































































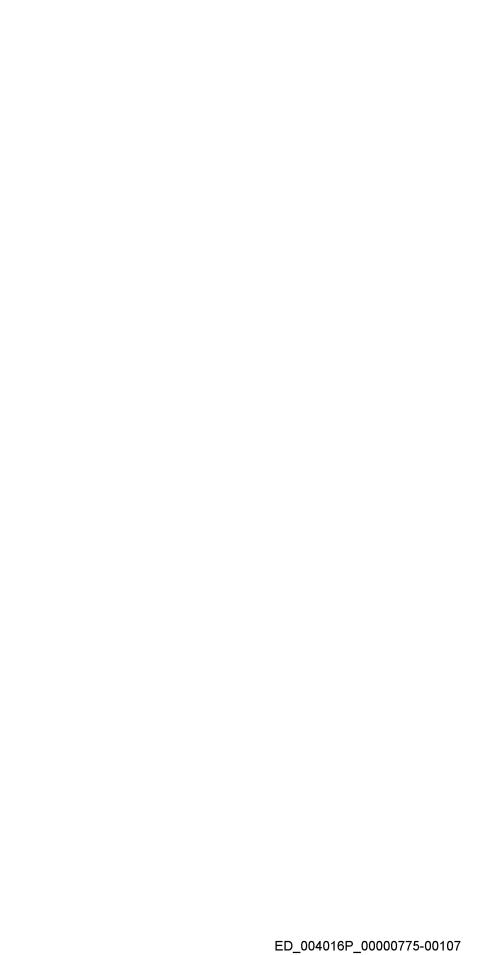














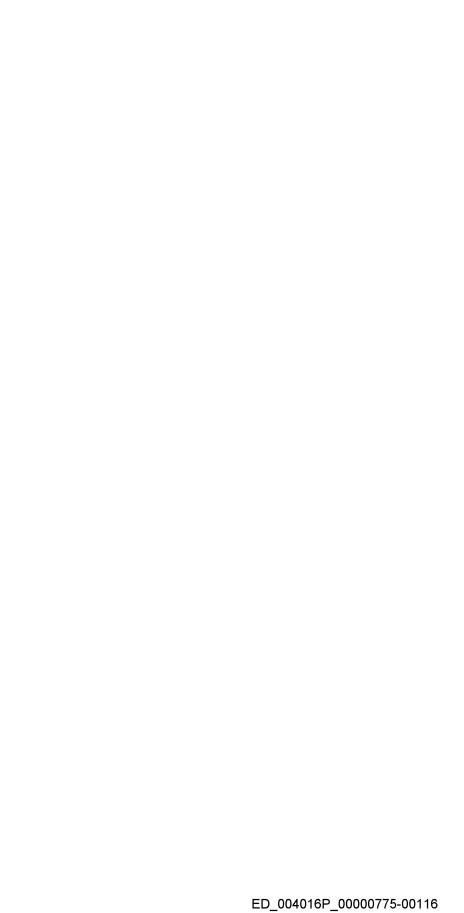


















































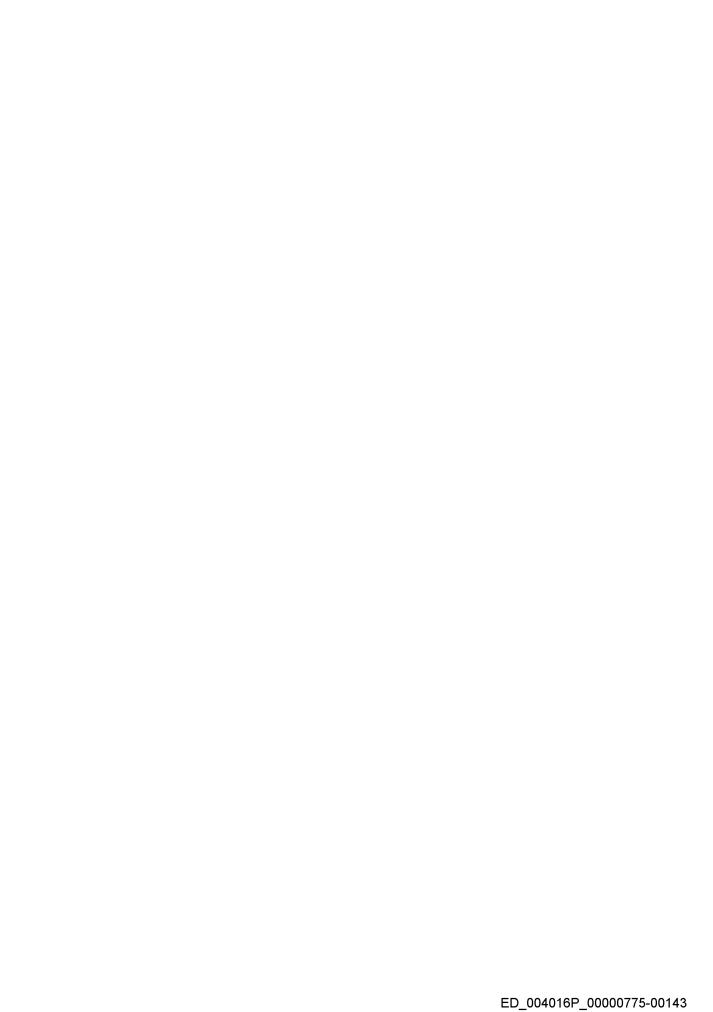
























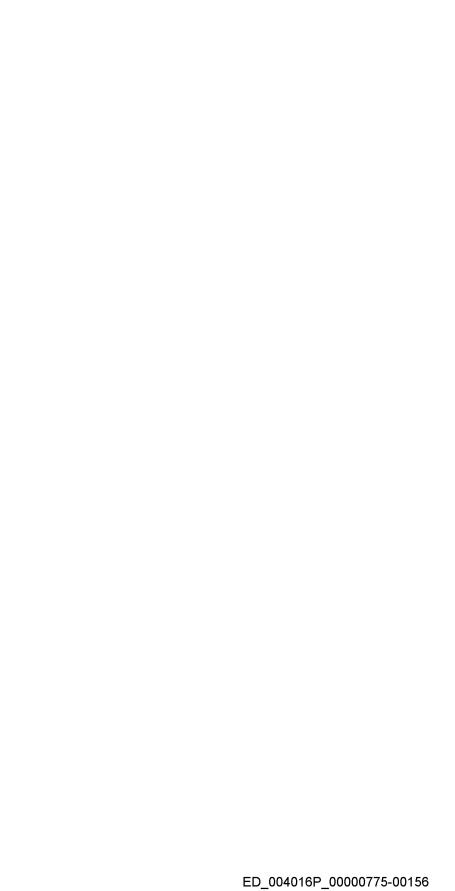
















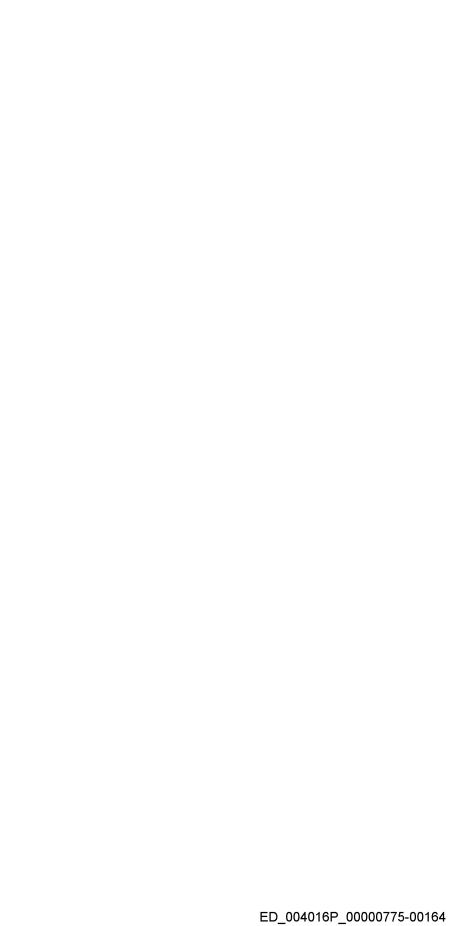


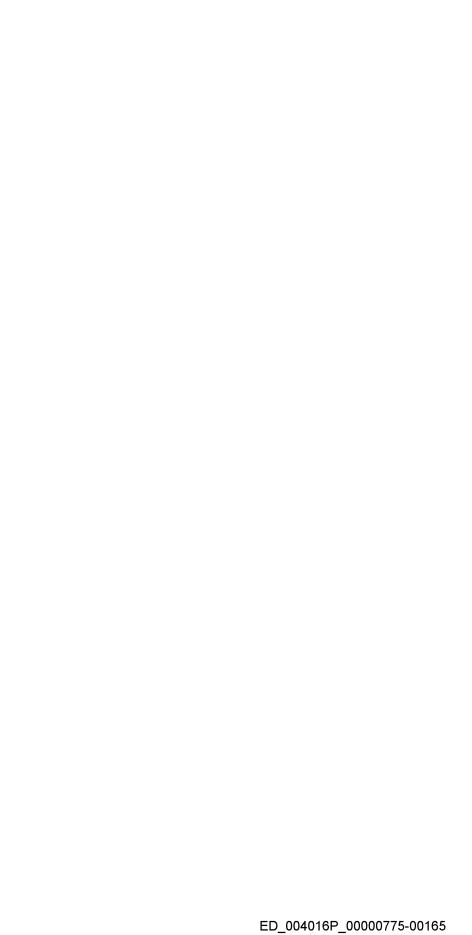




























































































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Template Name 60.5420a(b) Annual Report (Spreadsheet Template)

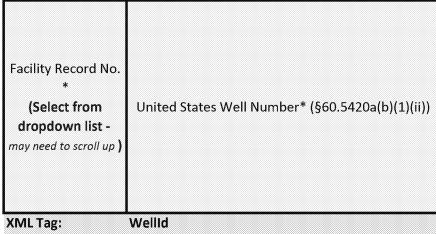
CitationID 60.5420a(b)

Template Version v1.00

Last Updated Date

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas For each well affected facility, an owner or operator must include the in

The asterisk (*) next to each field indicates that the corresponding field is



e.g.: 12-345-67890-12

1 2500322949

ON FOR	INTERNA	L USE ON	LY	

s Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 201! Iformation specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

required.	§60.5432a Low Pressure Wells	All Well Completions
Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. * (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(ii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(iii) and §60.5420a(c)(1)(vii)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i))
DeviationDesc	DeterminationFile	WellCompletionId
e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or XYZCompressorStation.pdf	e.g.: Completion ABC

NA NA Slaughterville 1H

5 - 60.5420a(b) Annual Report

Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))
AffWellLocation	AffOnsetDate	AffOnsetTime	AffAttemptDate
e.g.: 34.12345 latitude, 101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16

Well Affected Facilities Required to Comply witl

Time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))
AffAttemptTime	AffOccurenceDate	AffOccurenceTime	AffShutInDate
e.g.: 10 a. m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16

11:00pm 4:00am 7:00am NA

NA

h §60.5375a(a) and §60.5375a(f)

Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Duration of Recovery in Hours * (Not Required for Wells Complying with §60.5375a(f)) (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))
AffShutInTime	AffFlowbackHrs	AffRecoveryHrs	AffRecoveryDesc
e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel

Routed all gas to flare Routed all gas to flare Routed all gas to flare

Duration of Combustio in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) (B))	Hours * d (§60.5420a(b)(2)(i) and	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))
AffCombustionHrs e.g.: 5	AffVentingHrs e.g.: 5	AffVentingReason e.g: No onsite storage or combustion unit was available at the time of completion.	ExcWellLocation e.g.: 34.12345 latitude, -101.12345 longitude

NA

NA

45.02295, -106.71361

Exceptions Under §60.5375a(a)(3) - Technica

Specific Exception Claimed * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Starting Date for the Period the Well Operated Under the Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Ending Date for the Period the Well Operated Under the Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))
ExcExceptionClaimed e.g.: Technical infeasibility under 60.5375a(a)(3)	ExcPeriodStartDate e.g.: 10/16/2016	ExcPeriodEndDate e.g.: 10/18/2016

Technical infeasibility under 60.5375a(a)(3)

8/3/2017

10/5/2017

ally Infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel S

Why the Well Meets the Claimed Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))

Name of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))

Line *
(§60.5420a(b)(2)(i) and
§60.5420a(c)(1)(iii)(A)-(B))

ExcExceptionDesc e.g.: As further described in this report, technical issues prevented the use of the gas for useful purposes.

e.g.: ABC Line

ExcGlName

ExcGlLocation
e.g.: 100 miles away at
34.12345 latitude, -101.12345
longitude

As further described in this report, technical issues prevented the use of the gas for useful purposes.

Summit

Gathering line is approx. 5 miles from well site.

Jource, or Use for Another Useful Purpose Served By a Purchased Fuel or Raw Material

Technical Considerations
Preventing Routing to this
Line *
(§60.5420a(b)(2)(i) and
§60.5420a(c)(1)(iii)(A)-(B))

Capture, Reinjection, and Reuse Technologies Considered * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) Aspects of Gas or Equipment Preventing Use of Recovered Gas as a Fuel Onsite * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))

ExcGIPreventDesc	ExcTechConsidered	ExcGasAspect	
e.g.: right of use	e.g.: on-site generators	e.g.: gas quality	

Gathering line is approximately 5 miles from well site. As this is an exploratory well, connecting to this line is economically infeasible.

Fuel for onsite power generation, route to sales gathering line

gas quality renders stream unusable for onsite fuel

Date of Onset of **Technical Considerations** Flowback Following Preventing Use of Recovered Additional Reasons for Well Location* Hydraulic Fracturing or Gas for Other Useful Purpose Technical Infeasibility * (§60.5420a(b)(2)(i) and Refracturing * §60.5420a(c)(1)(iii)(A) (§60.5420a(b)(2)(i) and (§60.5420a(b)(2)(i) and (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B)) and (C)) §60.5420a(c)(1)(iii)(A) §60.5420a(c)(1)(iii)(A)-(B)) and (C)) ExcAddReason LiqWellLocation LiqOnsetDate ExcPreventReuse e.g.: 34.12345 latitude, e.g.: 10/16/16 e.g. gas quality e.g. well damage or clean-up -101.12345 longitude

gas quality

Exploratory Well

Well Affected Facilities Meeting the Criteria of §60.5375a(a)(1)(iii)(A) - Not Hydra

Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))

Date Well Shut In and Flowback Equipment the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C)) §60.5420a(c)(1)(iii)(A) and (C))

Time Well Shut In and Flowback Equipment Permanently Disconnected or Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and

Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))

LiqOnsetTime LiqShutInDate LiqShutInTime LiqFlowbackHrs e.g.: 10 a.m. e.g.: 10/16/16 e.g.: 10 a.m. e.g.: 5

ulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermediate Hydrocarbon Liquid

Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Does well still meet the conditions of §60.5375a(1)(iii)(A)? * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))
LiqCombustionHrs e.g.: 5	LiqVentingHrs e.g.: 5	LiqVentingReason e.g: No onsite storage or combustion unit was available at the time of completion.	LiqRegConditionFlag e.g.: Yes

ds, or Produced Water (No Liquid Collection System or Seperator Onsite)

If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Date Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))
LiqStopDate	LiqStopTime	LiqSeparatorDate	LiqSeparatorTime
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.

Well Affected Facilities Required to Comply with Both §60.5375a(a)(1) and (3) Using a Digital Photo in lieu of Records Required by §60.5420a(c)(1)(i) through (iv)

Are there liquids collection at the well site?
Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *

((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(3))

Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v)) Please provide only one file per record.

LiqCollectionFlag

e.g.: No

WellFile

e.g.: completion1.pdf or XYZCompressorStation.pdf

Well Affected Facilities Meeting the Criteria of §60.5375a(g) - <

Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(B))

Please provide the file name that contains the Record of Analysis
Performed to Claim Well Meets
§60.5375a(g), Including GOR Values for
Established Leases and Data from
Wells in the Same Basin and Field *
(§60.5420a(b)(2)(i) and
§60.5420a(c)(1)(vi)(A))
Please provide only one file per record.

GasWellLocation

GasAnalysisFile

e.g.: 34.12345 latitude, e.g.: GORcalcs.pdf **or** -101.12345 longitude XYZCompressorStation.pdf

300 scf of Gas per Stock Tank Barrel of Oil Produced

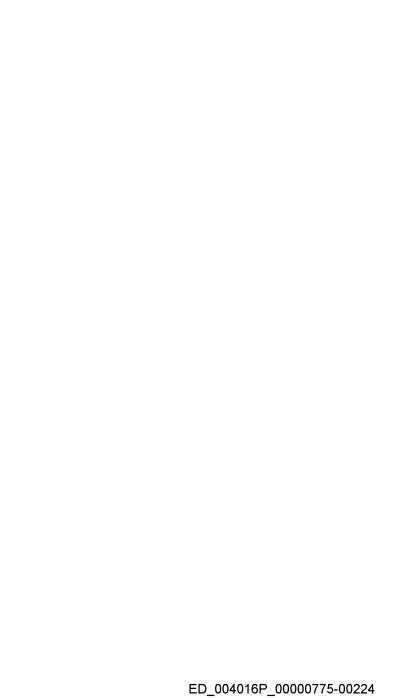
Does the well meet the requriements of §60.5375a(g)?

Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C))

GasRequirementFlag

e.g.: Yes





8/31/2017 9/3/2017 9/4/2017 9/5/2017 9/7/2017 9/9/2017 9/10/2017 9/11/2017 9/12/2017 9/13/2017 9/14/2017 9/15/2017 9/16/2017 9/17/2017 9/18/2017 9/19/2017 9/20/2017 9/21/2017 9/22/2017 9/23/2017 9/24/2017 9/25/2017 9/26/2017 9/27/2017 9/28/2017 10/3/2017 10/4/2017 10/5/2017 2:00pm

10:00pm

7:00am

9:00pm

1:00am

7:00am

7:00am, 9:00pm

7:00am, 6:00 pm

2:00pm

7:00am

7:00am

7:00am

7:00am, 11:00am

7:00am, 11:00am

7:00am

7:00am, 11:00am

7:00am, 11:00am

7:00am, 2:00pm

7:00am

7:00am, 11:00am

7:00am

7:00am, 11:00am

7:00am, 1:00pm

7:00am, 12:00pm

7:00am, 11:00am

7:00am

7:00am

10/5/2017 6:00am

Routed all gas to flare 802 Routed all gas to flare

4:00pm 849

802















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CitationID 60.5420a(b)

Template Version v1.00

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilitie For each centrifugal compressor affected facility, an owner or operator must inc

The asterisk (*) next to each field indicates that the corresponding field is required

Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (§60.5420a(b)(1)(ii))

XML Tag:

e.g.: Comp-12b

CompressorId



es for which Construction, Modification or Reconstruction Commenced After September 18, 2015 lude the information specified in paragraphs (b)(3)(i) through (iv) of this section in all annual repe

1.

For centrifugal compressors using a wet seal system, was the compressor constructed, modified or reconstructed during the reporting period? *

(§60.5420a(b)(3)(i))

Deviations where the centrifugal compressor was not operated in compliance with requirements * (§60.5420a(b)(3)(ii) and §60.5420a(c)(2))

CompressorConstruct

CompressorDeviation

e.g.: modified

e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the compressor.

-- 60.5420a(b) Annual Report orts:

	Cer
Record of Each Closed Vent System Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(6))	Record of Each Cover Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(7))
VentSystemInspection e.g.: Annual inspection conducted on 12/16/16. No defects observed. No detectable emissions observed.	VentCoverInspection e.g.: Annual inspection conducted on 12/16/16. No defects observed.

ifugal Compressors Required to Comply with §60.5380a(a)(2) - Cover and Closed Vent System Requirements

If you are subject to the bypass requirements of §60.5416a(a)(4) and you monitor the bypass with a flow indicator, a record of each time the alarm is sounded. *

(§60.5420a(b)(3)(iii) and §60.5420a(c)(8))

If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a secured valve, a record of each monthly inspection. * (§60.5420a(b)(3)(iii) and §60.5420a(c)(8))

VentAlarmRecord

e.g.: On 4/5/17, the bypass alarm sounded for 2 mintues.

VentMonthInspection

e.g.: Monthly inspection performed 4/15/17. Valve was maintained in the non-diverting position. Vent stream was not diverted through the bypass.

		Centrifugal Compress
If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a lock-and-key valve, a record of each time the key is checked out. * (§60.5420a(b)(3)(iii) and §60.5420a(c)(8))	Record of No Detectable Emissions Monitoring Conducted According to §60.5416a(b) * (§60.5420a(b)(3)(iii) and §60.5420a(c)(9))	Records of the Schedule for Carbon Replacement * (determined by design analysis) (§60.5420a(b)(3)(iii) and §60.5420a(c)(10))
VentKeyRecord	VentDetectEmission	CarbonReplaceSch
e.g.: The key was not checked out during the annual reporting period.	e.g.: Annual inspection conducted on 12/16/16. The highest reading using the FID was 300 ppmv.	e.g.: Carbon must be replaced every 2 years.

ors with Carbon Adsorption	Centrifugal Compressors Subject to Co	
Records of Each Carbon Replacement * (§60.5420a(b)(3)(iii) and §60.5420a(c)(10))	Minimum/Maximum Operating Parameter Value * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11))	Please provide the file name that contains the Continuous Parameter Monitoring System Data * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.
CarbonReplaceRecord	CtrlOpParameter	CtrlParameterFile
e.g.: Carbon was not replaced during the annual reporting period.	e.g.: Minimum temperature differential across catalytic oxidizer bed of 20°F.	e.g.: CPMS_Comp-12b.pdf o XYZCompressorStation.pdf

trol Device Requirement	s of §60.5412a(a)-(c)		
Please provide the file name that contains the Calculated Averages of Continuous Parameter Monitoring System Data * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Please provide the file name that contains the Results of All Compliance Calculations * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Please provide the file name that contains the Results of All Inspections * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Make of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))
CtrlAveragesFile	CtrlComplianceFile	CtrlInspectionFile	WetDeviceMake
e.g.: CPMSAvg_Comp- 12b.pdf or XYZCompressorStation.p df	e.g.: ComplRslts_Comp- 12b.pdf or XYZCompressorStatio n.pdf	e.g.: InspectRsIts_Comp- 12b.pdf or XYZCompressorStatio n.pdf	e.g.: Incinerator Guy

Model of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Serial Number of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Date of Purchase (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(ii))	Please provide the file name that contains the Copy of Purchase Order (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iii)) Please provide the file name that contains.
WetDeviceMake	WetDeviceId	WetPurchaseDate	WetPurchaseFile
e.g.: 400 Combustor	e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation. pdf

Centrifugal Compressors Using a Wet Seal System Constructed, Modified,				
Latitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Longitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))		
WetCompLatitude	WetCompLongitude	WetCtrlLatitude		
e.g.: 34.12345	e.g.: -101.12345	e.g.: 34.12340		

or Reconstructed During Rep Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and	As an Alternative to Latitude and Longitude, please provide the file name that contains the Digital Photograph of Device either with Imbedded Latituded and Longitude or Visible GPS (§60.5420a(b)(3)(iv) and	Inlet Gas Flow Rate * (§60.5420a(b)(3)(iv)	Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(3)(iv) and
§60.5420a(c)(2)(iv))	§60.5420a(c)(2)(vii)) Please provide the file name that contains.		§60.5420a(c)(2)(vi)(A)) Please provide the file name that contains.
WetCtrlLongitude	WetLocationFile	WetFlowRate	WetFlameFile
e.g.: -101.12340	e.g.: 400_combustor.pdf or XYZCompressorStation.pdf	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.p df

Please provide the file name that contains the Records of No Visible **Emissions Periods** Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(B)) Please provide the file name that contains.

Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(C)) Please provide the file name that contains.

Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(D)) Please provide the file name that contains.

Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(E)) Please provide the file name that contains.

WetEmissionFile

WetMaintFile

WetVisibleFile

WetInstructionFile

e.g.: noemissions.pdf or e.g.: maintainlog.pdf or XYZCompressorStation.p XYZCompressorStation.p df

df

e.g.: emistest.pdf or XYZCompressorStation.pdf

e.g.: manufinsruct.pdf or XYZCompressorStation.pdf







Cell: K11

Comment: Mia, Marcia:

similar requiremnets for storage vessels? It doesn't look like its referenced from the report.

Cell: J12

Comment: Mia, Marcia:

Add for recip comp, pneumatic pumps

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modif For each reciprocating compressor affected facility, an owner or operator must include the information specified

Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (§60.5420a(b)(1)(ii))	packing unit being routed to a process through a closed vent system under negative pressure? * (§60.5420a(b)(4)(i))
KML Tag:	CompressorId	RodEmissionsFlag
	e.g.: Comp-12b	e.g.: no

ication or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report I in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

If emissions are not routed to a process through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? * (§60.5420a(b)(4)(i))	Units of Time Measurement * (§60.5420a(b)(4)(i))	Deviations where the reciprocating compresso was not operated in compliance with requirements* (§60.5420(b)(4)(ii) and §60.5420a(c)(3)(iii))
OpCumTime	OpCumUnit	Compressor Deviation
		e.g.: Rod packing replacement exceeded 36
e.g.: 2	e.g.: months	months. Replacement occurred after 37 months.











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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction For each pneumatic controller affected facility, an owner or operator must include the information special

Facility Record No. * (Select from dropdown list - may need to scroll up)	Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2))	Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(5)(i))
XML Tag:	ControllerId	ControllerConstruct
	e.g.: Controller 12A	e.g.: modified

, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual R fied in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5420a(b)(5)(i) and §60.5390a(c)(2)) Documentation that Use of a Pneumatic Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required * (§60.5420a(b)(5)(ii))	ConstructMonth e.g.: February	ConstructYear e.g.: 2017	CtrlBleedRateDesc e.g.: Controller has a bleed rate of 8 scfh.
	Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or	Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or	Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required *

eport

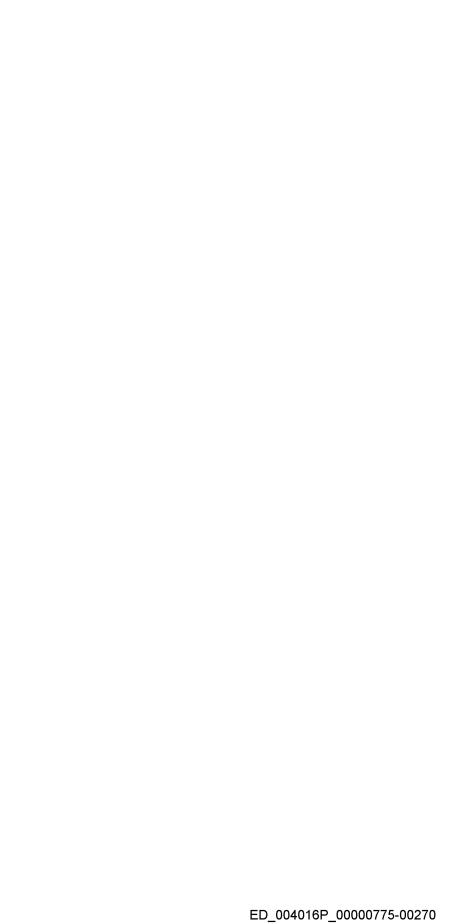
l Gas Bleed Rate Greater than 6 scfh	
Reasons Why * (§60.5420a(b)(5)(ii))	Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v))
CtrlBleedRateReason e.g.: safety bypass controller requires use of a high-bleed controller	ControllerDeviation e.g.: Controller was not tagged with month and year of installation.













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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, I For each storage vessel affected facility, an owner or operator must include the information specified in pa

Facility Record No. * (Select from dropdown list - may need to scroll up)	Storage Vessel ID * (§60.5420a(b)(1)(ii) and §60.5420a(b)(6)(i))	Was the storage vessel constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(6)(i))
XML Tag:	Vesselld	VesselConstruct
	e.g.: Tank 125	e.g.: modified

Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Re ragraphs (b)(6)(i) through (vii) of this section in all annual reports:

Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	Longitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	If new affected facility or if returned to service during the reporting period, provide documentation of the VOC emission rate determination according to §60.5365a(e).* (§60.5420a(b)(6)(ii))
Vessel Latitude	VesselLongitude	Vessel Voc Rate Desc
e.g.: 34.12345	e.g.: -101.12345	e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.

VesselDeviation e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel.	VesselRequirementFlag e.g.: Yes	VesselRemoveFlag e.g.: Yes
Records of deviations where the storage vessel was not operated in compliance with requirements * (§60.5420a(b)(6)(iii) and §60.5420a(c)(5)(iii))	Have you met the requirements specified in §60.5410a(h)(2) and (3)?* (§60.5420a(b)(6)(iv))	Removed from service during the reporting period? * (§60.5420a(b)(6)(v))

e.g.: 11/15/16	e.g.: Yes	e.g.: 11/15/16	e.g.: Incinerator Guy	e.g.: 400 Combustor
Vessel Remove Date	VesselReturnFlag	Vessel Return Date	SvMake	SvModel
If removed from service, the date removed from service. * (§60.5420a(b)(6)(v))	Returned to service during the reporting period? * (§60.5420a(b)(6)(vi))	If returned to service, the date returned to service. * (§60.5420a(b)(6)(vi))	Make of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Model of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))

	Storage Vessel	essels Constructed, Modified, Reconstructed or Return		
Serial Number of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Date of Purchase * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(B))	Copy of Purchase Order * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(C))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	
SvSerialId	SvPurchaseDate	SvPurchaseFile	SvLatitude	
e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.p df	o a : 24 12240	

g.: -101.12340	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf	e.g.: noemissions.pdf or XYZCompressorStation.pdf
/Longitude	SvFlowRate	SvFlameFile	SvEmissionFile
Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	Inlet Gas Flow Rate * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(E))	Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(1)) Please provide only one file per record.	Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(2)) Please provide only one file per record.

d)		
Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(3)) Please provide only one file per record.	Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(4)) Please provide only one file per record.	Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(5)) Please provide only one file per record.
SvMaintFile	SvVisibleFile	SvInstructionFile
e.g.: maintainlog.pdf or XYZCompressorStation.pdf	e.g.: emistest.pdf or XYZCompressorStation.pdf	e.g.: manufinsruct.pdf or XYZCompressorStation.pdf









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Last Updated Date

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Constructi For the collection of fugitive emissions components at each well site and the collection of fugitive emis

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))
XML Tag:	Facid	SurveyDate
	e.g.: Well Site ABC	e.g.: 8/13/17

ion, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report ssions components at each compressor station within the company-defined area, an owner or operator must

Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))		Sky Conditions During Survey * (§60.5420a(b)(7)(iv))
SurveyStartTime	SurveyEndTime	SurverorName	AmbientTemp	SkyCondition
e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds

include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) t

Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))
MaxWindSpeed	MonitoringInstrument e.g.: Company ABC	PlanDeviation	FugitiveType
e.g.: 2 mph	optical gas imaging camera	e.g.: None	e.g.: Valve

:hrough (xii) of this section in all annual reports:

e.g.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve
FugitiveNum	NotRepairedType	NotRepairedNum	DifficultType
Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to- Monitor Components Monitored * (§60.5420a(b)(7)(ix))

Number of Each Difficult-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe- to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x))
DifficultNum	UnsafeType	UnsafeNum	RepairDate
e.g.: 1	e.g.:Valve	e.g.: 1	e.g.: 11/10/16

Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))
RepairType	RepairNum	RepairExplanation	ResurveyInstrumentType
e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera

OGI	Compressor St	
Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	
SurveyorExperience e.g.: Trained thermographer; completed 40-hour	SurveyWaivedFlag	
course at XYZ Training Center. Has 10 years of experience with OGI surveys.	e.g.: Yes	

ation Affected Facility Only

If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. *

(§60.5420a(b)(7))

SurveyWaivedMonths

e.g.: January; February; and March











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Template Name 60.5420a(b) Annual Report (Spreadsheet Template)

CitationID 60.5420a(b) Template Version v. 1.00

Last Updated Date

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modificat For each pneumatic pump affected facility, an owner or operator must include the information specified in paragra

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of	Each Pump * (§60.	5420a(b)(1))	Was the pneumatic pur modified, or reconstru reporting per (§60.5420a(b	cted during the iod? *
XML Tag:	Pumpld			PumpConstruct	
	e.g.: Pump 12-e-2			e.g.: modified	
				-	

:ion or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report phs (b)(8)(i) through (iii) of this section in all annual reports:

e.g.: Emissions are routed to a control device or process	e.g.: 90%	e.g.: Pump 12-e-2	
PumpCondition	PumpReductionPercent	PumpChangeId	
Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(i))	If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (§60.5420a(b)(8)(i)(C))	Identification of Each Pump * (§60.5420a(b)(8)(ii))	

Pneumatic Pumps Previously Reported that have a Change in Reported Condition During				
Date Previously Reported* (§60.5420a(b)(8)(ii))	Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(ii))			
PumpChangeDate	PumpChangeCondition			
e.g.: 10/15/17	e.g.: Control device/process removed and technically infeasible to route elsewhere			

the Reporting Period

If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. *

(§60.5420a(b)(8)(ii) and §60.5420a(b)(8)(i)(C))

Records of deviations where the pneumatic pump was not operated in compliance with requirements*

(§60.5420a(b)(8)(iii) and §60.5420a(c)(16)(ii))

PumpChangeReductionPercent

e.g.: 90%

PumpDeviation

e.g.: deviation of the CVS inspections

















